

F. Vander Vegt

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JUN 02 2000

1644

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P#7

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/323,738DATE: 07/13/2000  
TIME: 15:38:10Input Set : A:\Uw 3570.app  
Output Set : N:\CRF3\07132000\I323738.raw

ENTERED

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3 <110> APPLICANT: Osborne, William R.A.
4   Ramesh, Nagarajan
6 <120> TITLE OF INVENTION: Compositions and Methods for Treating Diabetes
8 <130> FILE REFERENCE: P-UW 3570
10 <140> CURRENT APPLICATION NUMBER: 09/323,738
11 <141> CURRENT FILING DATE: 1999-06-01
13 <150> PRIOR APPLICATION NUMBER: 60/087,660
14 <151> PRIOR FILING DATE: 1998-06-02
16 <150> PRIOR APPLICATION NUMBER: 09/185,852
17 <151> PRIOR FILING DATE: 1998-11-04
19 <160> NUMBER OF SEQ ID NOS: 11
21 <170> SOFTWARE: PatentIn Ver. 2.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 450
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
28 <220> FEATURE:
29 <221> NAME/KEY: CDS
30 <222> LOCATION: (45)..(377)
32 <400> SEQUENCE: 1
33 gctgcatcag aagaggccat caagcacatc actgtccttc tgcc atg gcc ctg tgg 56
34                                     Met Ala Leu Trp
35                                     1
37 atg cgc ctc ctg ccc ctg ctg gcg ctg ctg gcc ctc tgg gga cct gac 104
38 Met Arg Leu Leu Pro Leu Leu Ala Leu Leu Ala Leu Trp Gly Pro Asp
39   5          10          15          20
41 cca gcc gca gcc ttt gtg aac caa cac ctg tgc gcc tca cac ctg gtg 152
42 Pro Ala Ala Ala Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val
43   25          30          35
45 gaa gct ctc tac cta gtg tgc ggg gaa cga gcc ttc ttc tac aca ccc 200
46 Glu Ala Leu Tyr Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro
47   40          45          50
49 aag acc cgc cgg gaag gca gag gac ctg cag gtg ggg cag gtg gag ctg 248
50 Lys Thr Arg Arg Glu Ala Glu Asp Leu Gln Val Gly Gln Val Glu Leu
51   55          60          65
53 ggc ggg ggc cct ggt gca ggc agc ctg cag ccc ttg gcc ctg gag ggg 296
54 Gly Gly Gly Pro Gly Ala Gly Ser Leu Gln Pro Leu Ala Leu Glu Gly
55   70          75          80
57 tcc ctg cag aag cyt ggc att gtg gaa caa tgc tgc acc agc atc tgc 344
58 Ser Leu Gln Lys Arg Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys
59   85          90          95
61 tcc ctc tac cag ctg gag aac tac tgc aac tag acgcagcccg cagcagccc 397
62 Ser Leu Tyr Gln Leu Glu Asn Tyr Cys Asn
63   105          110
65 ccaccccgcc gctcctgtgca ccagagagaga tggaataaag cccttggaacc agc 450
66 <210> SEQ ID NO: 2
68 <211> LENGTH: 110

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70 <212> TYPE: PRT
71 <213> ORGANISM: Homo sapiens
73 <400> SEQUENCE: 2
74 Met Ala Leu Trp Met Arg Leu Leu Pro Leu Leu Ala Leu Leu Ala Leu
75 1 5 10 15
77 Trp Gly Pro Asp Pro Ala Ala Phe Val Asn Gln His Leu Cys Gly
78 20 25 30
80 Ser His Leu Val Glu Ala Leu Tyr Leu Val Cys Gly Glu Arg Gly Phe
81 35 40 45
83 Phe Tyr Thr Pro Lys Thr Arg Arg Glu Ala Glu Asp Leu Gln Val Gly
84 50 55 60
86 Gln Val Glu Leu Gly Gly Gly Pro Gly Ala Gly Ser Leu Gln Pro Leu
87 65 70 75 80
89 Ala Leu Glu Gly Ser Leu Gln Lys Arg Gly Ile Val Glu Gln Cys Cys
90 85 90 95
92 Thr Ser Ile Cys Ser Leu Tyr Gln Leu Glu Asn Tyr Cys Asn
93 100 105 110
96 <210> SEQ ID NO: 3
97 <211> LENGTH: 63
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99 <213> ORGANISM: Homo sapiens
101 <220> FEATURE:
102 <221> NAME/KEY: CDS
103 <222> LOCATION: (1)..(63)
105 <400> SEQUENCE: 3
106 ggc att gtg gaa caa tgc tgt acc agc atc tgc tcc ctc tac cag ctg 48
107 Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln Leu
108 1 5 10 15
110 gag aac tac tgc aac
111 Glu Asn Tyr Cys Asn
112 20
115 <210> SEQ ID NO: 4
116 <211> LENGTH: 21
117 <212> TYPE: PRT
118 <213> ORGANISM: Homo sapiens
120 <400> SEQUENCE: 4
121 Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln Leu
122 1 5 10 15
124 Glu Asn Tyr Cys Asn
125 20
128 <210> SEQ ID NO: 5
129 <211> LENGTH: 90
130 <212> TYPE: DNA
131 <213> ORGANISM: Homo sapiens
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134 <221> NAME/KEY: CDS
135 <222> LOCATION: (1)..(90)
137 <400> SEQUENCE: 5
138 ttt gtg aac caa cac ctg tgc ggc tca cac ctg gtg gaa gct ctc tac 48

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139 Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
140 1 5 10 15
142 cta gtg tgc ggg gaa cga ggc ttc ttc tac aca ccc aag acc 90
143 Leu Val Cys Gly Glu Arg Gly Phe Tyr Thr Pro Lys Thr
144 20 25 30
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148 <211> LENGTH: 30
149 <212> TYPE: PRT
150 <213> ORGANISM: Homo sapiens
152 <400> SEQUENCE: 6
153 Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
154 1 5 10 15
156 Leu Val Cys Gly Glu Arg Gly Phe Tyr Thr Pro Lys Thr
157 20 25 30
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161 <211> LENGTH: 4
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163 <213> ORGANISM: Artificial Sequence
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166 <221> NAME/KEY: SITE
167 <222> LOCATION: (2)
168 <223> OTHER INFORMATION: any amino acid
170 <220> FEATURE:
171 <221> NAME/KEY: SITE
172 <222> LOCATION: (3)
173 <223> OTHER INFORMATION: lysine or arginine or any amino acid (Lys/Arg/Xaa)
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
177 Sequence
179 <400> SEQUENCE: 7
W--> 180 Arg Xaa Xaa Arg
181 1
184 <210> SEQ ID NO: 8
185 <211> LENGTH: 4
186 <212> TYPE: PRT
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <221> NAME/KEY: SITE
191 <222> LOCATION: (2)
192 <223> OTHER INFORMATION: any amino acid
194 <220> FEATURE:
195 <221> NAME/KEY: SITE
196 <222> LOCATION: (3)
197 <223> OTHER INFORMATION: Lysine or Arginine (Lys/Arg)
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
201 Sequence
203 <400> SEQUENCE: 8
W--> 204 Arg Xaa Xaa Arg

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RAW SEQUENCE LISTING                      DATE: 07/13/2000  
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Input Set : A:\Dw 3570.app  
 Output Set: N:\CRF3\07132000\1323738.raw

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205 1
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211 <213> ORGANISM: Artificial Sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
214 Sequence
215 <400> SEQUENCE: 9
216 Asp Asp Asp Asp Lys
217 1 5
223 <210> SEQ ID NO: 10
224 <211> LENGTH: 4
225 <212> TYPE: PRT
226 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
229 Sequence
230 <400> SEQUENCE: 10
231 Ile Glu Gly Arg
232 1
238 <210> SEQ ID NO: 11
239 <211> LENGTH: 4
240 <212> TYPE: PRT
241 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <221> NAME/KEY: SITE
244 <222> LOCATION: (2)
245 <223> OTHER INFORMATION: any amino acid
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
248 Sequence
249 <400> SEQUENCE: 11
250 W--> 253 Arg Xaa Lys Arg
254 1

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/323,738

DATE: 07/13/2000

TIME: 15:38:11

Input Set : A:\Uw 3570.app

Output Set: N:\CRF3\07132000\I323738.raw

L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8  
L:253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11